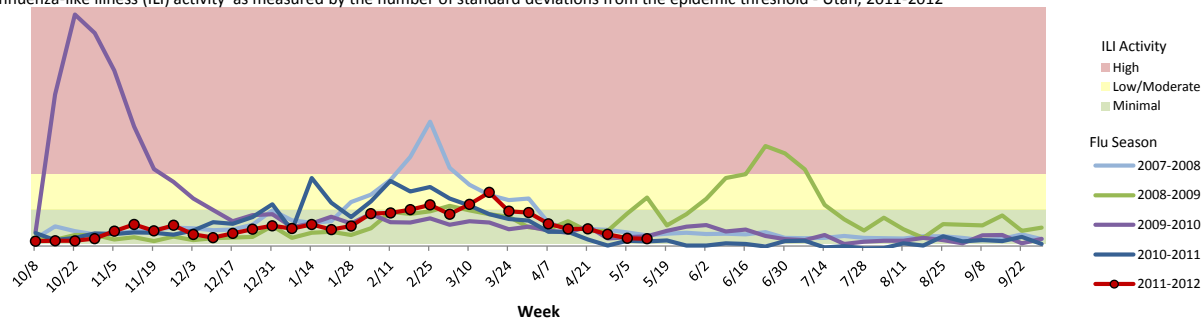


Influenza-like Illness Activity

Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold - Utah, 2011-2012



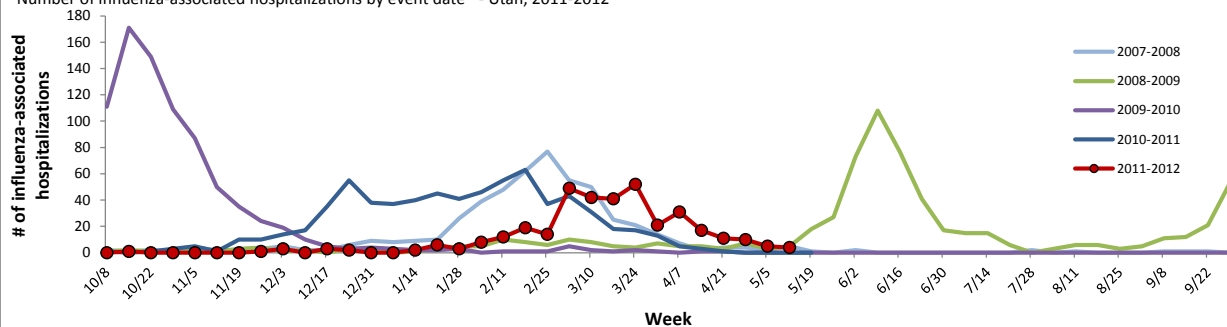
Influenza-like Illness (ILI) Activity Levels by Health District - Utah

Health District	ILI Activity
Bear River	Minimal
Central	Minimal
Davis	Minimal
Salt Lake	Minimal
Southwest	Minimal
Summit	Minimal
Tooele	Minimal
TriCounty	Minimal
Utah	Minimal
Wasatch	Minimal
Weber-Morgan	Minimal
State	Minimal

Severity Measures

Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date* - Utah, 2011-2012



*Event date is calculated based on a hierarchy of dates: 1. onset date 2. specimen collection date 3. date reported to public health.

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable		Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	197	55.2%	50.3%	0.0652
	Female	160	44.8%	49.7%	0.0652
	Unknown	0	0.0%	NA	--
Race	White, Not Hispanic	267	74.8%	82.0%	0.0004
	Hispanic	54	15.1%	11.6%	0.0367
	Native Hawaiian/Pacific Islander	21	5.9%	0.7%	<0.0001
	Black/African American	5	1.4%	0.9%	0.3578
	American Indian	1	0.3%	1.1%	0.1281
	Asian	9	2.5%	1.9%	0.3630
	Unknown	0	0.0%	NA	--

*If a p value is ≤ 0.05 , there is a significant difference between the percentage seen in IAH and the general Utah population.

Severity Measures, cont.

Cases of Influenza-associated Hospitalizations by Age Group, Utah, 2011-2012

Age Group	Total Cases Season to Date	Percent of Cases	Cases/ 100,000 Population	New Cases in Past Week
0-4 years	81	22.7%	29.9	1
5-24 years	55	15.4%	5.8	0
25-49 years	79	22.1%	8.0	0
50-64 years	62	17.4%	15.5	1
65+ years	80	22.4%	32.4	2
Total	357	100%	12.5	4

Influenza-associated Hospitalizations by Health District, 2011-2012 Season to Date

Health District	Total Hospitalizations
Bear River	12
Central	20
Davis	26
Salt Lake	197
Southeastern	1
Southwest	26
Summit	5
Tooele	1
TriCounty	0
Utah	38
Wasatch	0
Weber-Morgan	31

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable	Yes		No		Unknown	
	Number of Cases	% of cases	Number of Cases	% of cases	Number of Cases	% of cases
ICU	64	17.9%	281	78.7%	12	3.4%
Ventilator	23	6.4%	318	89.1%	16	4.5%
Died	7	2.0%	340	95.2%	10	2.8%
Neurological Symptoms	44	12.3%	301	84.3%	12	3.4%
Healthcare Worker	4	1.1%	284	79.6%	69	19.3%
Pregnant	12	3.4%	341	95.5%	4	1.1%
Heart Disorder	71	19.9%	273	76.5%	13	3.6%
Blood Disorder	10	2.8%	327	91.6%	20	5.6%
Kidney Disorder	29	8.1%	317	88.8%	11	3.1%
Metabolic Disorder	72	20.2%	270	75.6%	15	4.2%
Chronic Respiratory Disorder	139	38.9%	206	57.7%	12	3.4%
Immunosuppressed	32	9.0%	310	86.8%	15	4.2%
Neurological Disorder	44	12.3%	301	84.3%	12	3.4%
Seizure Disorder	16	4.5%	327	91.6%	14	3.9%
Bacterial Co-infection	11	3.1%	332	93.0%	14	3.9%
Obese**	65	28.4%	66	28.8%	98	42.8%
Morbidly Obese**	16	7.0%	115	50.2%	98	42.8%
Risk Factor***	314	88.0%	43	12.0%	0	0.0%
Vaccinated	98	27.5%	164	45.9%	95	26.6%

**Obesity and morbid obesity is not considered for individuals under 18 years or pregnant women. Thus total counts will not equal the total number of influenza-associated hospitalizations

***Risk factors for influenza include: persons < 5 years, persons ≥ 65 years, pregnant women, and persons with a chronic medical condition.

Case Counts of Influenza-associated Hospitalizations, Utah, 2011-2012

Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	4	100.0%	335	93.8%
Probable**	0	0.0%	22	6.2%
Total	4	100.0%	357	100.0%

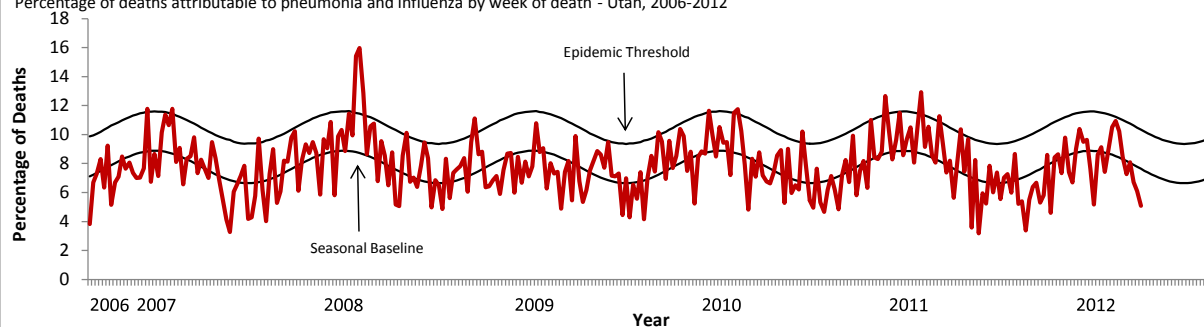
*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test

**Probable= hospitalized with a positive rapid test

Pneumonia and Influenza Deaths

Pneumonia and Influenza Deaths

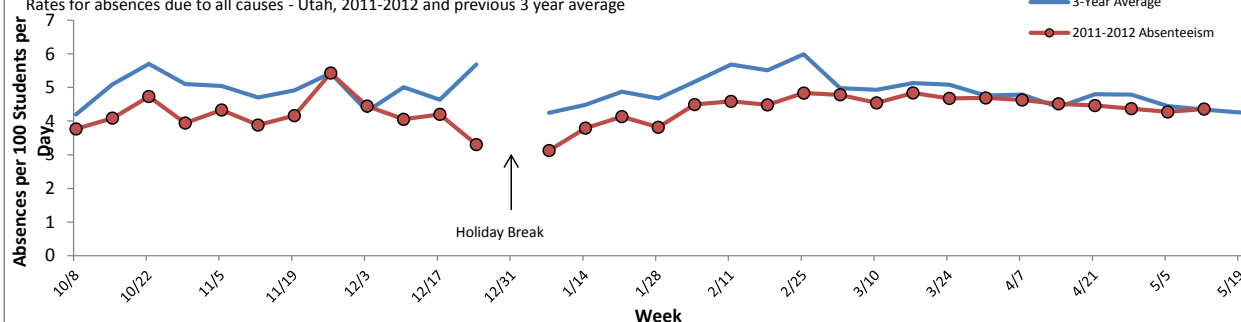
Percentage of deaths attributable to pneumonia and influenza by week of death - Utah, 2006-2012



School Absenteeism

Student Absenteeism by Week

Rates for absences due to all causes - Utah, 2011-2012 and previous 3 year average



Weekly Student Absenteeism - Utah, 2011-2012

Health District	All absences per 100 students/day
Bear River	3.7
Central	7.9
Davis	3.2
Salt Lake	3.8
Southeast	6.1
Southwest	5.2
Summit	6.1
Tooele	5.5
TriCounty	4.6
Utah	2.6
Wasatch	3.9
Weber-Morgan	6.0
State	4.4

Virologic Data

Unified State Laboratory: Public Health Virologic Data

	Season to-date		Current MMWR week	
	Number	Percent	Number	Percent
Specimens tested	1,605	--	24	--
Positive specimens	1,136	70.8%	15	62.5%
Positive Specimens by Type/Subtype				
Influenza A	1,119	98.5%	12	80.0%
A (2009 H1N1)	704	62.9%	4	33.3%
A (H1)	0	0.0%	0	0.0%
A (H3)	415	37.1%	8	66.7%
A (subtyping not performed)	0	0.0%	0	0.0%
A (unable to subtype)	0	0.0%	0	0.0%
Influenza B	17	1.5%	3	20.0%

Influenza Positive Tests

Influenza positive specimens tested by Unified State Laboratory: Public Health (USLPH) - Utah, 2011-2012

